

**SINGLE-SIDE FABRICATION PROCESS FOR FORMING INKJET  
MONOLITHIC PRINTING ELEMENT ARRAY ON A SUBSTRATE**

**ABSTRACT OF THE DISCLOSURE**

5           A monolithic inkjet printhead is formed using single-side fabrication  
processes. Printing elements and feed channels are formed by processes working from  
a top of the die. During formation of the printing elements filler material is applied to  
the feed channel. Such material is later removed by an anisotropic etch. Such etchant  
10 works from the top surface and a side edge of the substrate. The single-side fabrication  
process is distinguished from fabrication processes that work from a bottom of a die to  
form the feed channel and fill channels and work from a top of the die to form printing  
elements.

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